

Code: 6613
Operation and Construction Service
Industrial Trades Group
Metal Working Trades Series

CLASS TITLE: Boiler Maker Welder

CHARACTERISTICS OF THE CLASS: Under general supervision, repairs and maintains boilers and related equipment; and performs related duties as required.

EXAMPLES OF DUTIES: Repairs and maintains damaged conveyor chains, lower hoppers, rotary kilns and screw conveyors; repairs worn-out boiler parts and its furnace system; constructs new boiler parts where replacements are not available; provides preventive maintenance; reeves hoisting blocks and determines how and when to place hoisting winches; handles rigging safely; positions boiler sections, tubes and drums; conducts hydro-tests to ensure City and insurance inspections; installs ducts, hoppers, expansion joints, forced air fans, air duct nozzles and walkways; orders needed materials; identifies areas of potential breakdown; plans and accomplishes work schedules.

DESIRABLE MINIMUM QUALIFICATIONS:

Training and Experience. Completion of an approved boilermaking or steamfitting apprentice training program with journeyman status, or an equivalent combination of training and experience.

Knowledge, Abilities and Skill. Comprehensive knowledge of boilermaking and welding practices and procedures.
Comprehensive knowledge of methods and techniques used in boiler fabrication. Comprehensive knowledge of the design and operation of safety devices.

Ability to understand and follow oral and written instructions.
Ability to prepare and maintain simple productivity reports.
Ability to coordinate work and make modifications as needed.
Ability to work effectively with others.

Comprehensive skill in the application of operational methods, practices, tools and equipment involved in boiler making.
Comprehensive skill in the interpretation of visual and auditory information relating to the safety of boilers.

February, 1991